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Application No.: 10/520,944

Docket No.: 4444-051

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

- 1-16. (Canceled)
17. (Currently amended) Vessel according to Claim ~~[[16]]~~35 further comprising a heater of an upper surface of the water flow channel.
18. (Canceled)
19. (Currently amended) Vessel according to Claim ~~[[18]]~~35, further comprising a regulator for the temperature inside the holding tank.
20. (Currently amended) Vessel according to Claim ~~[[18]]~~35, wherein the holding tank includes:

an inlet adapted to be connected to the inlet of the water flow channel, the holding tank inlet being formed by an upper edge of said tank and adapted to be located close to the surface of the water, and

an outlet adapted to be connected to the outlet of said channel, the holding tank outlet being formed by an orifice in a bottom of said tank and adapted to be obstructed by a closure in response to said tank being full of liquid waste.

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21. (Currently amended) Vessel according to Claim ~~[[19]]~~20, wherein the closure comprises a float having at least one surface for covering the orifice which forms the outlet of the tank, the float having a density greater than that of the liquid waste and lower than that of the water.

22. (Currently amended) Vessel according to Claim ~~[[16]]~~35, wherein the liquid waste ~~retainer is located on a first trajectory of the flow channel, said vessel also including~~ includes a solid waste ~~waste~~ retainer located in ~~[[a]]the first and second trajectory~~trajectories of said channel.

23. (Currently amended) Vessel according to Claim 22, wherein the solid waste retainer is ~~positioned upstream of the water flow channel with respect to the liquid waste~~ retainer~~holding tank~~, the first and second trajectories of said channel being coincident between the inlet of the channel and an outlet of the solid waste retainer.

24. (Previously presented) Vessel according to Claim 22, wherein the solid waste retainer includes at least one grille located across the water flow channel.

25. (Currently amended) Vessel according to Claim 24, wherein the solid waste retainer comprises ~~[[a]]first and [[a]]second grille-grills which project with respect to one another~~are at different angles relative to the coincident portions of the first and second trajectories and are secured to one another to form an assembly that can move with respect to said vessel.

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26. (Currently amended) Vessel according to Claim ~~[[16]]35~~, further including a wherein the turbine used for driving said vessel in motion, the turbine having (a) an inlet downstream of the outlet of the water flow channel and (b) an outlet for producing a water jet towards the outside of said vessel, below the surface of the body of water or waterway.

27. (Previously presented) Vessel according to Claim 26, wherein the turbine outlet includes a deflector having an adjustable position for determining a direction of the jet of water produced by said turbine.

28. (Currently amended) Vessel according to Claim ~~[[16]]35~~, wherein the vessel includes at least two hulls which are secured to one another and are substantially parallel to one another, said hulls being separated by a distance defining the water flow channel width.

29. (Previously presented) Vessel according to Claim 28, further comprising a fairing that connects the bottom of said hulls, said fairing being positioned on the vessel from the surface of the body of water or waterway by a distance defining the water flow channel depth.

30. (Previously presented) Vessel according to Claim 29, further including rolling elements on a lower surface of the fairing, the rolling elements being positioned and arranged so they roll and bear the load of the vessel during movement of the vessel on dry land.

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31. (Canceled)

32. (Previously presented) Vessel according to Claim 20, wherein the holding tank inlet and outlet are respectively connected to the water flow channel inlet and outlet.

33-34. (Canceled)

35. (New) Vessel for collecting on board the vessel waste that is close to and/or on a surface of a body of water or a waterway, said vessel comprising a floating liquid waste holding tank, a water flow channel arranged in said vessel between a water inlet and a water outlet of the vessel, and a turbine for creating a water flow in the water flow channel,

the water flow channel being downstream from said inlet and upstream from an inlet of the tank such that liquid including liquid waste can flow via a first trajectory from the inlet into the tank and such that liquid without liquid waste can flow between the vessel inlet and outlet without flowing into the tank, the tank being formed such that liquid in the first trajectory has a Venturi effect.

36. (New) A structure adapted to be carried on a vessel for collecting on board the vessel waste that is close to and/or on a surface of a body of water or a waterway, the structure comprising

a floating liquid waste holding tank, a water flow channel adapted to be arranged in said vessel between a water inlet and a water outlet, and a turbine for creating a water flow in the water flow channel,

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the water flow channel being downstream from said inlet and upstream from an inlet of the tank such that liquid with liquid waste can flow via a first trajectory from the inlet into the tank and such that liquid without liquid waste can flow between the vessel inlet and outlet without flowing into the tank, the tank being formed such that liquid in the first trajectory has a Venturi effect.

37. (New) The vessel of claim 35 wherein the tank is formed to have a decreasing surface area as the depth of the tank increases for providing the Venturi effect.

38. (New) The structure of claim 36 wherein the tank is formed to have a decreasing surface area as the depth of the tank increases for providing the Venturi effect.

39. (New) Vessel for collecting on board the vessel waste that is close to and/or on a surface of a body of water or a waterway, said vessel comprising a floating liquid waste holding tank, a water flow channel arranged in said vessel between a water inlet and a water outlet of the vessel, and a turbine for creating a water flow in the water flow channel,

the water flow channel being downstream from said inlet and upstream from an inlet of the tank such that liquid including liquid waste can flow from the inlet into the tank,

the holding tank including: (a) an inlet adapted to be connected to the inlet of the water flow channel, the holding tank inlet being formed by an upper edge of said tank

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and adapted to be located close to the surface of the water, and (b) an outlet adapted to be connected to the outlet of said channel, the holding tank outlet being formed by an orifice in a bottom of said tank and adapted to be obstructed by a closure in response to said tank being full of liquid waste;

the closure comprising a float having at least one surface for covering the orifice which forms the outlet of the tank, the float having a density greater than that of the liquid waste and lower than that of the water.